

typedef

C programming

typedef

The C programming language provides a keyword called typedef, which you can use to give a type, a new name.

typedef

After this type definition, the identifier 'byte' can be used as an abbreviation for the type unsigned char, like in the example.

```
typedef unsigned char byte;  
  
int main(void)  
{  
    byte c;  
  
    c = 200;  
    return (0);  
}
```

typedef

You can also use typedef with structures to define a new data type.

```
struct Computer {  
    char *name;  
    char *brand;  
};  
  
typedef struct Computer Computer;
```

```
typedef struct Computer {  
    char *name;  
    char *brand;  
} Computer;
```

typedef

Then use that data type to define structure variables directly like in the example..

```
typedef struct User
{
    char *name;
    char *email;
    int age;
} user;

int main(void)
{
    struct User user;
    user user2;

    return (0);
}
```